

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known

Application Number	10/599,495
Filing Date	September 29, 2006
First Named Inventor	Jeffrey Moe
Art Unit	3644
Examiner Name	tbd

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Sheet

1

of

6

Attorney Docket Number G137 1020.1 (70.2)

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
1.	US- 202,634		04-23-1878	S. Connor	
2.	US- 1,446,531		02-27-1923	J.M. Williams, Jr.	
3.	US- 2,129,824		09-13-1938	A.P. De Seversky	
4.	US- 2,176,461		10-17-1939	V.A. Larsen	
5.	US- 2,180,462		11-21-1939	A.P. De Seversky	
6.	US- 3,363,126		11-21-1944	A.C. Gibson	
7.	US- 2,406,710		08-27-1946	W.M. Riggles, Jr.	
8.	US- 2,652,214		09-15-1953	R.C. Cussons	
9.	US- 2,719,016		09-27-1955	H.E. Wicks	
10.	US- 2,747,817		05-29-1956	R. Saulnier	
11.	US- 4,027,836		06-07-1977	Seibel	
12.	US- 5,058,827		10-22-1991	Dansereau et al	
13.	US- 5,104,063		04-14-1992	Harley	
14.	US- 5,156,353		10-20-1992	Gliebe et al	
15.	US- 5,209,434		05-11-1993	Lo Presti et al	
16.	US- 5,269,481		12-14-1993	Derrien	
17.	US- 5,478,030		12-26-1995	Derrien et al	
18.	US- 5,749,546		05-12-1998	Blackner et al	
19.	US- 6,032,090		02-29-2000	von Bose	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
1.	CA2223543		06-06-1998	Airbus UK Limited, GB		
2.	DE69715787		02-13-2003	Airbus UK Limited, GB		
3.	EP1340676		06-01-2005	Messier-Dowty SA		
4.	EP1067045		10-01-2001	British Aerospace PLC		
5.	EP1192077		08-04-2004	Airbus UK Limited		
6.	EP846540		06-10-1998	British Aerospace PLC		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Sheet

2

of

6

Application Number	10/599,495
Filing Date	September 29, 2006
First Named Inventor	Jeffrey Moe
Art Unit	3644
Examiner Name	tbd

Attorney Docket Number G137 1020.1 (70.2)

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
20.	US- 6,048,477	04-11-2000	Thorpe et al		
21.	US- 6,173,920	01-16-2001	Meneghetti		
22.	US- 6,454,219	09-24-2002	Moe		
23.	US- 6,457,680	10-01-2002	Dobrzynski et al		
24.	US- 6,619,587	09-16-2003	Chow et al		
25.	US- 6,786,451	09-07-2004	Courtois et al		
26.	US- 2003/0102406	06-05-2003	Chow et al		
27.	US- 2003/0152145	08-14-2003	Kawakita		
28.	US- 2003/0225492	12-04-2003	Cope et al		
29.	US- 2004/0040797	03-04-2004	Plude et al		
30.	US- 2004/0104301	06-03-2004	Wickerhoff et al		
	US-				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
7.	ES2179282	06-10-1998	Airbus UK Limited			
8.	FR2836667	07-02-2004	Messier-Dowty SA			
9.	GB2,319,981	08-15-2001	BAE Systems PLC			
10.	GB494,542	10-27-1938	Blume			
11.	GB534,522	03-10-1941	Reid			
12.	GB745,965	03-07-1956	Blackburn & General Aircr			

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/599,495
		Filing Date	September 29, 2006
		First Named Inventor	Jeffrey Moe
		Art Unit	3644
		Examiner Name	tbd
Sheet	3	of	6
		Attorney Docket Number	G137 1020.1 (70.2)

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	13.	GB9915977	09-15-1999	British Aerospace PLC		
	14.	JP2003/504267	02-04-2003			
	15.	WO01/04003	01-18-2001	BAE Systems PLC		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<i>Complete if Known</i>	
				Application Number	10/599,495
				Filing Date	September 29, 2006
				First Named Inventor	Jeffrey Moe
				Art Unit	3644
				Examiner Name	tbd
Sheet	4	of	6	Attorney Docket Number	G137 1020.1 (70.2)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1.	Ahuja K.K., Martin, J., Miller B., & Gu X., "On Automobile Antenne and Roof Rack Noise Control," AIAA 93-4398, 15th AIAA Aeroacoustics Conference, Long Beach, CA, 10/25-27/93	
	2.	Carter, Guillot, Ng & Copenhaver, "Aerodynamic Performance of a High-Turning Compressor Stator with Flow Control," AIAA 37th Joint Propulsion Conf., 2001, Salt Lake City, Utah	
	3.	Davy, R. & Remy, H., "Airframe Noise Characteristics of a 1/11 Scale Airbus Model", 4th AIAA/CEAS Aeroacoustics Conf., 6/2-4/98, Toulouse, France	
	4.	Dobrzynski W. & Buchholz H., Full-Scale Noise Testing on Airbus Landing Gears in the German Dutch Wind Tunnel, 3rd AIAA/CEAS Aeroacoustics Conf, Paper 97-1597, 5/12-14/97	
	5.	Dobrzynski W., Chow L.C., Guion P., & Shiells D., A European Study on Landing Gear Airframe Noise Sources, 5th AIAA/CEAS Aeroacoustics Conference & Exh., 6/12-14/00	
	6.	Fink M.R., Airframe Noise Prediction Methods, FAAA-RD-77-29, 1977	
	7.	Fink, Martin R. & Bailey, D.A., Model Test of Airframe Noise Reduction Concepts, AIAA 6th Aeroacoustics Conf, 6/4-6/80, Hartford, CT	
	8.	Hardin, Jay C., Toward a Comprehensive Analysis of Landing Approach Noise Sources, AIAA-97-1593-CP, 1997	
	9.	Hayes, Julie A.; Horne, W. Clifton; Soderman, Paul T. & Bent, Paul H., Airframe noise characteristics of a 4.7% scale DC-10 model, AIAA-97-1594-CP	
	10.	Heidelberg, L.J., Hall, D.G., Bridges, J.E., & Nallasamy, M., A Unique Ducted Fan Test Bed for Active Noise Control and Aeroacoustics Research, CEAS/AIAA-96-1740, May 1996	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
 This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

				<i>Complete if Known</i>
Substitute for form 1449/PTO				Application Number 10/599,495
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Filing Date September 29, 2006
				First Named Inventor Jeffrey Moe
				Art Unit 3644
				Examiner Name tbd
Sheet	5	of	6	Attorney Docket Number G137 1020.1 (70.2)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	11.	Heller, Hanno H. & Dobrzynski, Werner M., Sound Radiation From Aircraft Wheel-Well/Landing-Gear Configurations, Journal of Aircraft, vol. 14, no.8, 1977	
	12.	Heller, Hanno H. & Dobrzynski, W.M., Unsteady Pressure Characteristics on Aircraft Components and Far-field Radiated Airframe Noise, Journal of Aircraft, vol. 15, #12, 12/1978	
	13.	Jaeger, S.M., 777 Landing Gear Acoustics: Even More Preliminary Acoustic Results, NASA AST-QAT 4th Airframe Noise	
	14.	Konstadinopoulos, P., Mook, D.T., & Nayfeh, A.H. (1981), A Numerical Method for General Unsteady Aerodynamics, AIAA Atmospheric Flight Mechanics Conf, 1981	
	15.	Konstadinopoulos, P., Thrasher, D.F., D.T. Mook, Nayfeh, A.H., & Watson, L.(1985), A Vortex-Lattice Method for General, Unsteady Aerodynamics, Journal of Aircraft, 22(1),43-49	
	16.	Larssen J.V. & Devenport W.J., Acoustic Properties of the Virginia Tech Stability Wind Tunnel, Dept of Aerospace & Ocean Eng, VA Tech, Rpt VPI-AOE 263,1999	
	17.	Macaraeg M.G., Fundamental Investigation of Airframe Noise, NASA Langley Research Center Report, 1998	
	18.	Miller, Wendell R.; Meecham, William C. & Ahtye, Warren F., Large Scale Model Measurements of Airframe Noise Using Cross-Correlation Techniques, J.Acoust. Soc. Am. 71(3), 3/82	
	19.	Munson A.G., A Modeling Approach to Nonpropulsive Noise, AIAA 76-525, 1976	
	20.	Piet, Jean-Francois & Elias Georges, Airframe Noise Source Localization Using a Microphone Array, AIAA-97-1643-CP	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<i>Complete if Known</i>			
Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/599,495
		Filing Date	September 29, 2006
		First Named Inventor	Jeffrey Moe
		Art Unit	3644
		Examiner Name	tbd
Sheet	6	of	6
		Attorney Docket Number	G137 1020.1 (70.2)

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	21.	Preidikman, S. Numerical Simulations of Interactions Among Aerodynamics, Structural Dynamics, and Control Systems, PhD thesis, VA Polytechnic Inst. & State Univ., 1998	
	22.	Rao,W.M., Feng,J., Burdisso, R.A., Wg,W.F., Experimental Demonstration of Active Flow Control to Reduce Unsteady Stator-Rotor Invention, AIAA J., vol.39, #3, 3/2001, pp458-64	
	23.	Stoker,R.W. & Sen, R., An Experimental Investigation of Airframe Noise Using a Model-Scale Boeing 777, AIAA-2001-0987, 39th AIAA Aerospace Sciences Mtg & Exh, 1/8/01, Reno, NV	
	24.	Stoker, R.W., Recent Airframe Noise Testing Done by Boeing, Presented at the NASA AST-QAT 4th Airframe Noise Workshop, 12/2000	
	25.	Stoker, R.W., Underbrink, J.R. & Neubert, F.R., Investigations of Airframe Noise in Pressurized Wind Tunnel, AIAA-2001-2107, 7th AIAA/CEAS Aeroacoustics Conf, 5/28/01, NL	
	26.	Willshire, W.L., Jr. & Garber, D.P., Advanced Subsonic Transport Approach Noise - The Relative Contribution of Airframe Noise, NASA Tech Memo 104112, 6/1992	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.